Cytometer Performance Report

Cytometer:	FACSCantoII	User:	Administrator
Cytometer Name:	FACSCantoII	Institution:	N/A
Serial Number:	V33896201821	Software:	BD FACSDiva 6.1.3
Input Device:	Carousel	Date:	03/19/2018 10:53 AM
Tube Loaded Manually:	Yes	Cytometer Baseline:	10/18/2017 09:13 AM
Cytometer Configuration:	Euroflow 3-laser, 8-color (4-2-2)	P/F:	Pass

Setup Beads

Bead Product: CST Setup Beads, Part #: 910723
Lot ID: 25720, Expiration Date: 06/30/2017 (Expired)
Bead Lot Information: Available

Detector Settings

Laser	Detector	Parameter	Target Value	Actual Target Value	% Difference Target Value	Bright Bead % Robust CV	Mid Bead Median Channel	Mid Bead % Robust CV
Blue	FSC	FSC	125000	125177	0	1.42	124986	1.38
Blue	F	SSC	125000	123167	-2	3.58	123381	3.38
Blue	E	FITC	23615	22674	-4	2.61	1016	10.62
Blue	D	PE	26739	26469	-2	2.14	952	10.07
Blue	B	PerCP-Cy5-5	48339	47392	-2	3.69	1365	17.42
Blue	A	PE-Cy7	45021	45216	0	5.38	696	36.99
Red	C	APC	53064	52435	-2	2.77	2993	9.54
Red	A	APC-Cy7	57175	56755	-1	2.74	1191	11.39
Violet	B	V450	14728	14107	-5	5.21	670	9.91
Violet	A	V500	58621	56461	-4	5.09	2497	7.42

Detector Settings (Continued)

Laser	Detector	Parameter	Dim Bead Median Channel	Dim Bead % Robust CV	PMTV	Δ PMTV	Qr	Br	P/F
Blue	FSC	FSC	19150	2.15	613	-1	N/A	N/A	Pass
Blue	F	SSC	60725	1.49	559	13	N/A	N/A	Pass
Blue	E	FITC	111	41.08	548	0	0.0194	185	Pass
Blue	D	PE	207	30.81	541	5	0.1597	297	Pass
Blue	B	PerCP-Cy5-5	211	47.22	639	4	0.0096	123	Pass
Blue	A	PE-Cy7	74	126.69	698	5	0.0110	17	Pass
Red	C	APC	342	28.43	599	2	0.0202	79	Pass
Red	A	APC-Cy7	130	40.07	581	1	0.0052	1333	Pass
Violet	B	V450	83	43.80	465	-5	0.0435	2083	Pass
Violet	A	V500	182	24.06	492	-5	0.0134	494	Pass

Specifications

PMTV Delta from baseline: 50 (BD)
Violet Laser Primary Channel Bright Bead %Robust CV: 6.00 (Recommended)
Blue Laser Primary Channel Bright Bead %Robust CV: 6.00 (Recommended)
Red Laser Primary Channel Bright Bead %Robust CV: 6.00 (Recommended)

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Laser Settings

Laser	Power (mW)	Power Spec. (mW)	Current (mA)	Current Spec. (mA)	Delay (Trigger on FSC)	Delay (Trigger on Fluorescence)	Area Scaling Factor
Violet	59.55	47.98 - 71.98	N/A	N/A	-31.60	-31.13	0.95
Blue	20.35	16.27 - 24.41	1.26	0.99 - 1.49	0.00	0.00	1.35
Red	17.47	14.40 - 21.60	N/A	N/A	30.88	31.33	1.17

Window Extension: 7.00
FSC Area Scaling Factor: 0.87

Threshold

Threshold (FSC): 9582

Fluidics

FACSFlow Pressure: 3.90 Sample Pressure: 3.70
Spec.: 3.80 - 4.00

Comments